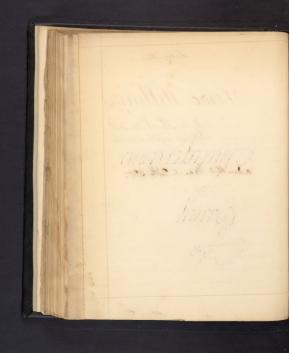
Indication

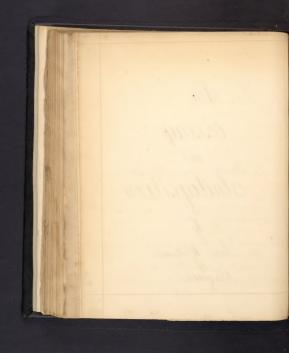
Isaac Milliams

Race Street M. 300 between eighth & minth

admitted March 24th 1020.



Am Essay Indigestion Saad Williams Virginia

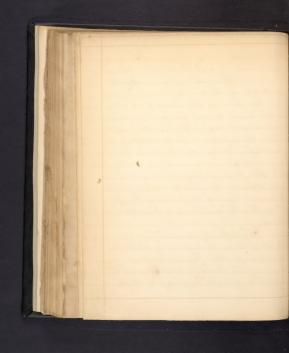


Indiquestion is a vitiated condition of that materal and important function of the unimal economy, by which it converts foreign and believe genous substances, into ad englarms and bland fluid, fitted, is be converted by the assumptions process into animated, and it-

An arder property to understand what indiquetions is it will be inecessary to take a cursory new of the process of Algestians in a healthy conditions, and of its defendance.

- denciss .

Digestion, considered in a general front of forew, is a series of spections communing with the mastecation of food in the meath, and terminating with the complete formation of Chyle in

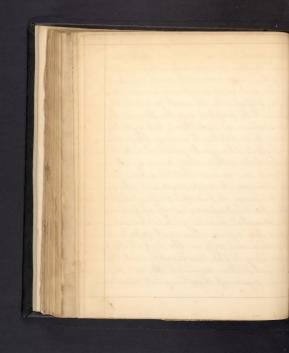


the therace duct. Where digistion ends a primitation begins. He object of liquition in the animal economy to to furnish martinuts for the graphs of leving animals, and for repairing the daily waste of the system, and consequently his the communation of that most emportant change by which animals by inheritant of the thomselves, convert into their aure molers, foreign and inaumalesak stances, foreign and inaumalesak

Joe articles which are interded for the insureshment of the septem are first received into the smooth, wherethy tendings the process of mastication whereby this are gration down into insure particle by obstine for that purpose, which we down it immetipary to discrebe, during which is a unneceptary to discrebe, during which process they become internally missed



and combined with saleva (a fluid with which the mouth is a bundantly suffitied and converted into a soft hulpy omals, and rendered not only susceptible of being pressed into the most convenient form to be propiled into the Stomach by The action of deglutition but is at the same time fittell, to underge the further important changes to which it is to be subjected within that organic And whereas we conceive that it is here that it undergoes to most important change and receives its principal preparation for its intended purpose, we think proper to be somewhat minute in our observations when this organ. This most important Wiscus is mot only in the highest degree interesting to the anatomist, and Phy-· scologust, when contemplated as a pri-· mary organ of digestion, but more es-



- pecially when it is considered with reforence to that commanding in plane what is known to ever over other party other part of the human hystem; add more opecially still, when it is recollected that its

is through its agency that we are maked to communicate entrolienal influence to every other part of the human frame.

Meewing the Stomach as holding this important dank, among the argans concouncil in the among the argans concouncil in the among the argans conits sullines. The simplicity of its slave
have has become almost placetrate, and
might well be selected as a striking opecome of that peculiar economy of mature,
wherein she seems to delight for effecting
great ends by apparelly simple and an
areal endthe means. The standard solualed on the abdoment and accupying



principally the Left hypochandria and the epigastric regions immediately below the liver; is of considerable length and some what of a curved and of a conveal shape. larger at one extremity than, at the other, Being situated transversely in The Abdominal ravely, it appears to be admi-- rably calculation by malure for the reten-- lian of the aliment taken into it, until it shall have undergone These changes which are requisite to fet it for its propage ento those brogans which may be regulated as the subsidiaries of the Stomath in The great process of digestion. This organ, is camposed of four dissimilar lamina. vis: a Gentoneal a Muscular a morvous and a Vellous roal. The latter of which on the present occasion, sums to be more particularly intelled to our con-· Dideration, inas which as it is the one that



lines the carrily of the stomach, and con sequently is more immediately exposed to the various empressions I which the multifarious articles taken into this organi ure calculated to make, It appears to be a thin delicate and flexible smembrane popefring great vascularity and sensibility; while it presents San orriga - les and rugase appearance. Fromblhe surface of this coal is offused a peculiar fluit called the gastrie liquor. This important fluid, for the decretion of which, the numerous bloodsupels that are directed to the Stomach appear to be destined, as to its peculiar characteristics, is very difficult to be understood, for as much as il is almost improcheable to oblace it in a pure state unmeged with other moller. It is said in its mature to be multier Jurely acid, mor al habene; but that it



bears a great undergo to retira. Being a bundantly furnished by the Homark it is unerally between to exect a powerful rounce in the great process of diorston, the vellous coul of this argine propolation great flexibile to and adhering closely to the aliment intro Sduced into its carity! by means of which the Stomach being out in contact with every portion of the surface of the male Montains, is by it at anie excited at every fraint of lets inner surface, to secrete ind sufficient quantities, when in a healthy condition the austre lequar to answer the purposes of depoting and so far degesting that quantity of allmint which is necessar . ry to be taken is at any one time as within the heriod of a few, hours, completely to convert it into Chy me . In this condition it is by the vernicular motion of the Sta-- mach made to hals the holorie wifice into



the duodenum. The Charme, when it reaches This crow consists of the parts one that is extrementations, and are which is mubilious; where it muits with the bili dry and panorealie fluids. But what arency these lleuds exert in the process of degestion w a question that has been mot a little unitaled by Physiologists, Doctor Jackson in a flice which the has written on degis tion contends for an affinity between the bile and the excrementations portion of the Chymics by means of which they become United legether; and we may here add that this union probably renders this partien of the Chyme, les liable to be taken up by the lartale; and at the same time facilitates its passage a long the intestinal tube by stimulating its internal coul to an increased prosistaltic motion thereby hastening its evacuation per anim; while are the better hand the pancreatic fluid existing a



similar altraction for the mutritious partian of The chymous male and by uniling with it and Hurry rendering it more fluid facilitates its Inception into The loctules and its con-- version into chyle. The lactuals are a very mumerous set of resils which ariginale in the small intestines, popularing the power by contraction: of propelling forward their con-- tents. They belong properly to the absorbent system, and house their name from the function They perform; which appears to be that of converting thyme outs chyll and of conveying it into the Thoracce duet, which hours It into the left subclovian our at The point of its junction with the left internal Jugular vein. Chyle is a milklike Huid which is found to few hours after eating in the lacteals and having a sweetish taste, und being of a while testour, is of a consistence thenner than Good as mith; and



is that fluid substance from which the Mosd is formed. Morning taken this car-- mal economy converts farige substances into animated matter; we deem it proper at this stage of our enquiry to take a general view of the uttiment abject for which it is designed. The general system when continiplated as a whole may be considered as composed of the sectional in-- dividual systems; all however equally de-- hunding, whow the praces of digistion for Their ultimate support. They may be considered in order in the following manner; the digistive apparatus, or Mystem the absorbent septem, the arculatory systems the respiratory system, The glandelar systems the sinsitive system, the omuscular systems the opeans system, the recal system and the sexual system. Fach of these systems



they so such a so him of puts concolors on the was, has aliceted to it the second of a fundament of a certain degree of super over. The second second all we want to see a such as an consume thesetage of the second second of the second healther consistant, as present to motivat we at a backle state.

which while is all one are subject, true from the are had as all one forthed desired, and the operate beauto between the age of the beauto beauto beauto the age of the beauto facility. It is a secondly white and these who land, administration and according to the according to t



its symptoms; hence it is looked whom by the patient to be a complaint of little con sequence: and under this persuasian neglie-- ling to call in medical aid; he suffersit to go ano, while at the same lime it is under mining his health, and enfulling his constitution; when suddenly with an accumulated farce it makes an altack on the sypteme with such violence? and at so many different points at the same time, that if life survine the conflict it has prequently sustained so much enjury, as to be schreely tower able to repair it com - plelely, even during a series of years. Pethaps there is no disease that prounts a qualir variety of sumplams than the one new under consideration, and and that is more difficult to be definitively possed aut. hie therefore intend. To listed our abserva-- leans to a few of those symptoms that sum



to be of the most unequivocal character; and agreeable, to aux preschel descino we deen il Terster to breut of them under two news; first, such as appear in the degestive sus. low itself, and secondly, Thask that afepear in other systems of the body which become secondarily affected. Under The first view Then we have with a fund Tonque a disagruable laste in the mouth, do ap petite some what variable, but mot unfrequently varucious, an obstinate consti polion of the bowels, flaluliney, sour erue - lations accasionally bringing up partions of undequoled food, cardialgin irrigular Spasms, a quaring sensation at the Stomuch and a constructed pain under the scooliculus cardis accompaniel by a sensation as if there were a drawing from that point, down lowards the spine. Under the second view, we will mobile some of the



most prominent symptoms occurring in some of the other systems viz: an enfulled and imperfect desperation languid and irrigular circulation, attended by occusional pal - pulation of the heart, didnifs and listlefings of mind appointed with a disposition to serious neps and limedity altended not unfrequently with disordered vision and sweet (hainf in the head . To these per haps should be added many alter symploms and affections which were formerly considered as idio polhic diseases but which were properly symplomake of dyspelesea. he mad come to mobile the vauses of this disease, which though they are very numerous wer think proper on the present accasion to confine dus remarks load few of the most common. These we shall class under two heads; under the first head, we will arrange those that are taken wito the stomach and come immediately to act



whom that organ; and under the sie and those which make their impression and other parts of the general sustine; and in this way operate to waken the Stomach by endraping too large a proportion of the well energy; whereby the stomach is ctime that parties which is inclis pensibly requirte to enable it properly to perform Its matural functions. Under The first head we richard a departure frame the simple mode as poin hed and by mutures, in eating und druking; ic first, in taking food of an improper quality, in too blange quantity as of too great variety. Decondly, The improper use of within marcole Substances, such as ardent spirels, Openie, billers, braz coffee and lobsen: thirdly hat substances taken into the Sto. much whether fluid; ar solid; large quan--telies of cold liquids taken into the Stomach while eating, Ir when going to bed, as before



breakfast in the morning. Those courses which properly came under our second general head lare; intense study, as close replication to business underly parolies, excep in vening, expasure to impetudes of temperature particularly the feet. To these may be added strong impressions of every hind lang continued on any hart of The general system. It may here be proporte say a word on the proximal cause of the disbase. It is generally admitted that the secre long action of the Stamuch becomes perverted and that consequently the gastrie lequer is secreted in a vite ted condition as respects its quality if it be mad furnished in an impro per I quantely. Dactor buttery sums to impule this state of the Stomack to debitity of the mus cular febres of that argan. It stime to us errdent that it is in a very troppled condition but in what its disease precisely cansists



it is difficult to say. But when considering the various improfisions which the stimulating substances above mentioned are reductated to make whose the internal surface of the Stomach and from our abserbations made on this sub-- jeed derived from other sources we weeke to conjecture that The sillows coal of that argand becomes somewhat allered in its struct - Ture perhaps The Revol and Contrastel, when-- by it looses its flexibility, and its villous af-- Treasunce and one this Tway materially contri - hales lowards effecting a vetrated churchbowrof the gastres liquor. The Stamach while in This diseased, condition is unable to performi its materal functions, but in as much as then are generally speaking the usual quantles of food taline into it, it engroped The energies of other parts of the system and in this way predisposes them to disease, while at the James time in consequence of imperful degestion it



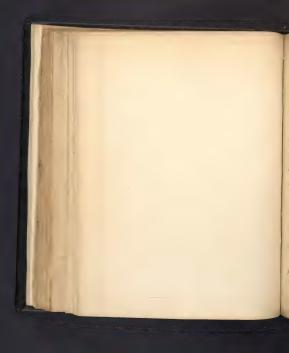
withholds from them the quantity or sulable quality of mourishment which is their material Stendulus and subspart. We now come to make some remarks on the breatment of this disease, which we purpose daing in a very general way by painting and same of the most prominent indications which we consider to be occuse anally of two characters and requiring mot un prefruitly very different treatment. The inde - calions of the first character tall for such remedies as are culculated for relieving or pullating the amost distribering of that symp. lams I motered under our breand vow as Decurring in other systems or parts of the or meral system; loyether with those that even sionally acces in the Stamach itself; such us gastrodynia spasms to of the disease have abready reached this state of violence; These und very various, demi limes Memulants



Temetimes antispasmedies bloodletting 4. The indications of the second character require means to exadicate the disease from the Sto much itself by avercoming the unhealthy ac-Twent and distraying the morted associations of that amone; fund thereby brestore it again to a discharge of its national fundians in a healthy conditions, To offeel this, we Shall mater three, indications: the first is. to evacuale The Arimas vias which should be commenced by an Emilie For this purpose The Spreaceach has has been generally preferred; indeed, it has been thought to opert a specific salutary effect in this case; and as it is a very mild and safe medicine there law be no possible objection to it. The Emilie Juler halso, applars to have spread claims To our attention in this case as it will not only evacuale the Stomach, Thoroughly and wille safely, of its contrals when properly



administered but will at the sameline by making a strong impression are that ordan). contribute much to the severance of Chose market concalinations which I has established This being done, aux allenhow should most be described to The evacuation of the lower bowels. which should be effected by gentle purgalives, The Ohubart answers for this hurpases very well, and is fine. fored by same; but what perhaps is still beller les a combination of the Calcinid magnesia, and the law Sulphures in equal retunders. One or two drachus should be Taken at a dose to be continued in as to keep the bowels in a saluble condition The record indication is to correct acidity which is not infrequently very trouble come in this describe; In Order To effect this The various Unlando and absorbents have been resorted to. But we



deem I necessary to name only Two articles. Magnisia land the Cart of Polash. To these perhaps, we should add, the celebrated remody recommended by Doeler, Physick which ist Archard franch hickory white soil Ho. The third indications is to give lone to the Stamach. To unswer this indication the variaus betters and astringents have bow resorted to. The articles that have here generally im Housed for this purpose, are, the qualities, the quelien; the Columbo He of the begloble horydane; and of the mineral, the various Chaly beat preparation, the coughe of Migmenth It. The proper employment of these has been found to do good int mast cases and has mo doubt proved effectual in omany; but They enever the less are frequently faund to fail of Junts will there be du the fast of the palent a street observance of a well right lated diet. Serhaps there are , we diseases



that require the palient to be more particular

in regard to his dut and habits of life them the low now under consideration. I deed when

we recollect the eriphbel condition of the Stamach, we are but to conclude that this

part of the cure of dyspelision should be at-

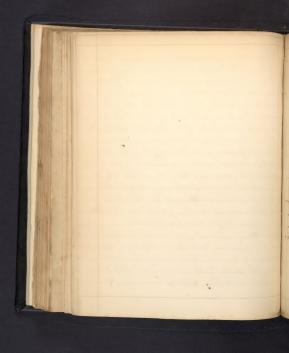
at the same tind, statetions and generous diet; together with tonic impressions made

on the external surface, calculated to give

tome to the queval explene, in which the Stomach fartenfaths; such as exercise, cold bothery, frictions Ho: rules for this town

of tohis are admirably laid down in 2. Not.

Mas the Stomach by obtaining a respect from modernal couplespass which it has already became but the obte to sweet in, is promitted gradually to recover its strongth, and with it is hally action, me-



We now deem it proper to canclude what we have to say on this subject by making some propholatic remarks which we cannot do better than in the words of Doelor. Hamitton, in his work and surgatives. "It may be proper on some accobians" says the Doctor. to counsel the valitudinarian to forsake the haunts and habits of fashionable life; to quit the crowded city, alluring amusements, and various becupations carrud an in airless, or even in tainted rooms; to shun luxurious tables, indo-Lenev, and late hours; to retrace the Thehs by which he has deviated from simple mature, and to court the country, puro air, and simple diet."

